

ROOF PLAN SUMMARY

Roof Drain No.	Type of Control Device	Ponding Depth (mm)	Ponding Area (m ²)	Available Ponding Volume (m ³)	Required Ponding Volume (m ³)	Weir Position	Discharge Rate Per Drain (L/sec)
RD1	Watts Accutrol	150	262	13	11	1/2 Open	1.26
RD2	Watts Accutrol	150	320	16	14	3/4 Open	1.58
RD3	Watts Accutrol	150	247	12	10	3/4 Open	1.58
RD4	Watts Accutrol	150	257	13	10	3/4 Open	1.58
RD5	Watts Accutrol	150	37	2	2	Full	1.89
RD6	Watts Accutrol	150	37	2	2	Full	1.89
Total			1150	58	49		9.78

PHASE 2 STORMWATER MANAGEMENT SUMMARY

Area ID	Area (ha)	Runoff Coefficient 'C'	2 Year Release (L/s)	2 Year storage required (m ³)	2 Year underground storage provided (m ³)	100 Year Release (L/s)	100 Year storage required (m ³)	100 Year surface storage provided (m ³)
PH2A	0.498	0.78	28	35.1	35.1	29.5	173.3	193.5
PH2B	0.118	0.77	15.6	0	0	17.6	24.9	25.3
PH2C	0.145	0.9	7	13.9	58	9.8	49.1	58
PH2D	0.045	0.46	3.5	0	0	10.2	0	0
TOTAL	0.81							
Totals:			54.2	49	92.1	67.1	246.8	275.8
Total Allowable Release L/s			68.85					

PH2A - 100 YEAR SURFACE STORAGE VOLUMES

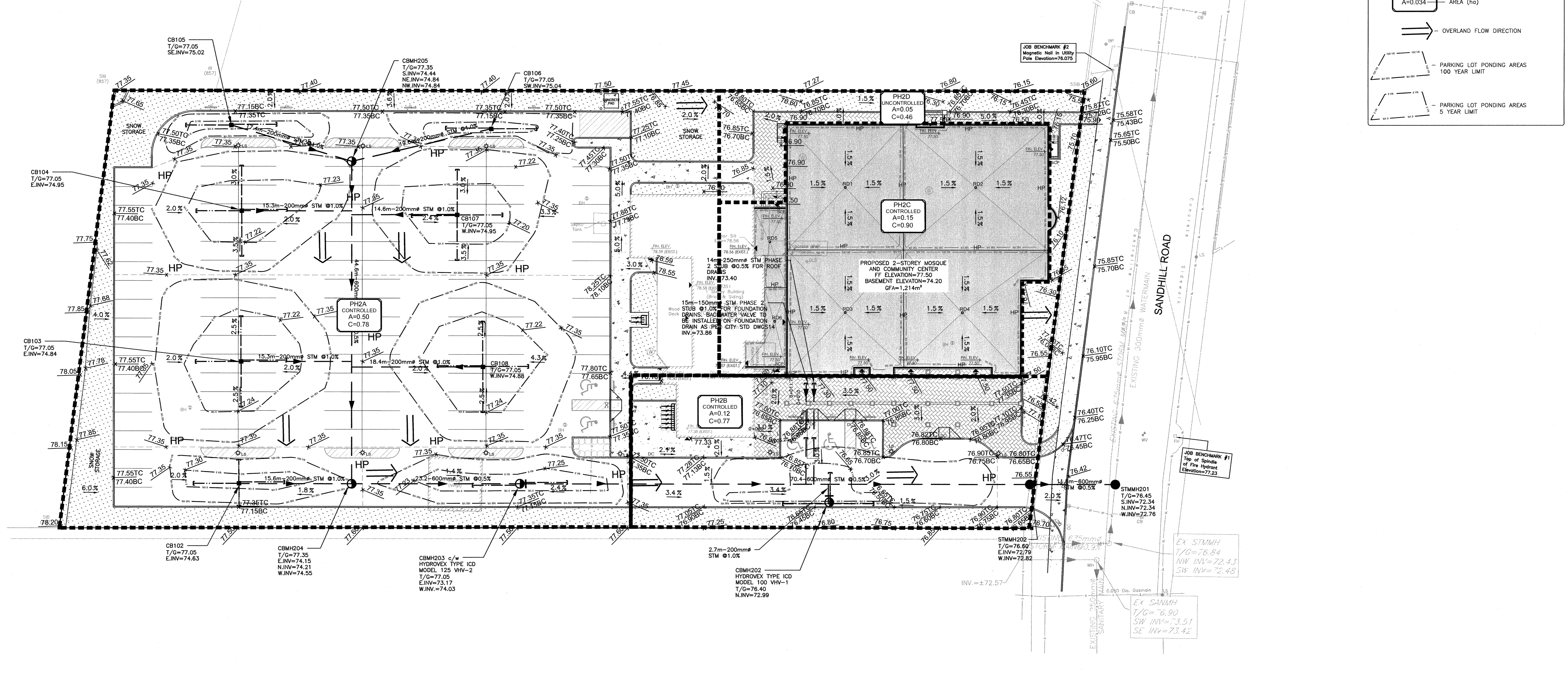
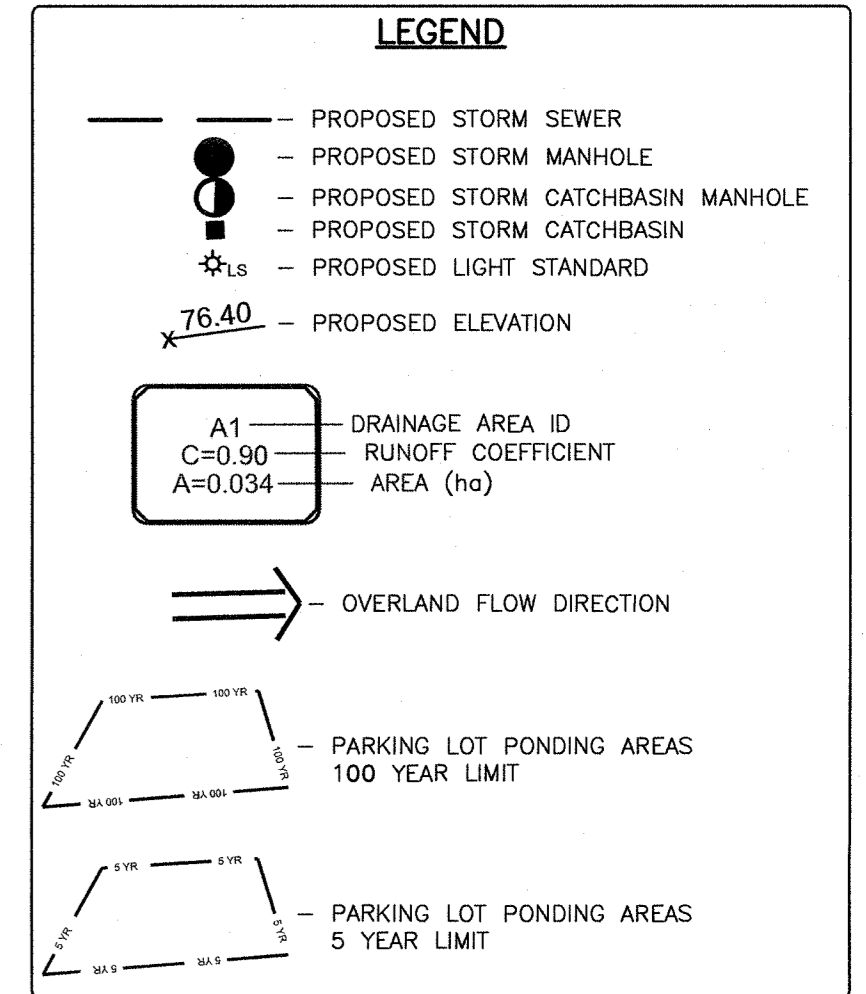
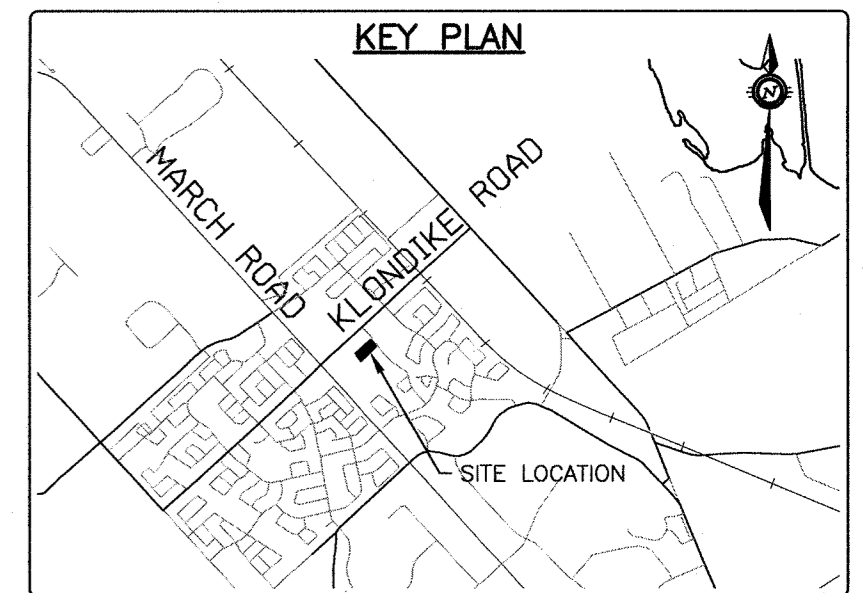
Ponding Location	Surface Area (m ²)	Ponding Depth (m)	Volume (m ³)
CB102	132	0.30	13.2
CB103	368.00	0.30	36.8
CB104	342.00	0.30	34.2
CB105	86.0	0.30	8.6
CB106	82.0	0.30	8.2
CB107	309.0	0.30	30.9
CB108	401.0	0.30	40.1
CBMH203	184	0.35	21.5
Total Volume			193.5

PH2B - 100 YEAR SURFACE STORAGE VOLUMES

Ponding Location	Surface Area (m ²)	Ponding Depth (m)	Volume (m ³)
CBMH202	217	0.35	25.3
Total Volume			25.3

PH2C - 100 YEAR SURFACE STORAGE VOLUMES

Ponding Location	Surface Area (m ²)	Ponding Depth (m)	Volume (m ³)
Roof	1160	0.15	58
Total Volume			58.0



<p>CAUTION THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.</p>		<table border="1"> <tr> <th>NO.</th> <th>REVISION DESCRIPTION</th> <th>DATE</th> <th>BY</th> <th>APPD</th> </tr> <tr> <td>6</td> <td>REMOVED RETAINING WALL AT SOUTH PROPERTY LINE</td> <td>24/05/19</td> <td>AE</td> <td>AA</td> </tr> <tr> <td>5</td> <td>REVISED AS PER CITY COMMENTS</td> <td>16/04/19</td> <td>AE</td> <td>AA</td> </tr> <tr> <td>4</td> <td>REVISED AS PER CITY COMMENTS</td> <td>19/02/19</td> <td>AE</td> <td>AA</td> </tr> <tr> <td>3</td> <td>REVISED AS PER CITY COMMENTS</td> <td>02/11/18</td> <td>AE</td> <td>AA</td> </tr> <tr> <td>2</td> <td>ISSUED FOR SITE PLAN APPROVAL</td> <td>29/06/18</td> <td>AE</td> <td>AA</td> </tr> <tr> <td>1</td> <td>ISSUED FOR SITE PLAN APPROVAL</td> <td>13/09/17</td> <td>ML</td> <td>AA</td> </tr> </table>		NO.	REVISION DESCRIPTION	DATE	BY	APPD	6	REMOVED RETAINING WALL AT SOUTH PROPERTY LINE	24/05/19	AE	AA	5	REVISED AS PER CITY COMMENTS	16/04/19	AE	AA	4	REVISED AS PER CITY COMMENTS	19/02/19	AE	AA	3	REVISED AS PER CITY COMMENTS	02/11/18	AE	AA	2	ISSUED FOR SITE PLAN APPROVAL	29/06/18	AE	AA	1	ISSUED FOR SITE PLAN APPROVAL	13/09/17	ML	AA	<p>SCALE HORIZONTAL 1:250</p> <p>DESIGNED BY M.A. ANSARI</p> <p>REVIEWED BY M.A. ANSARI</p> <p>CLIENT KANATA MUSLIM ASSOCIATION 832 MARCH ROAD, OTTAWA, ON. K2W 0C9 613.973.5000</p> <p>PROJECT KMA MOSQUE AND COMMUNITY CENTRE 351 SANDHILL ROAD, OTTAWA, ON</p> <p>DATE 2016-12-09</p> <p>TITLE STORMWATER MANAGEMENT PLAN PHASE 2</p> <p>PROJECT NO. OTT-00238504-A0</p> <p>DRAWING NO. SWM-2</p>	
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